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wherein the patient is infected with a retrovirus and wherein the patient has a diet that includes at least the RDA [recommended daily allowance] of niacin and tryptophan.

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14. (once amended) The method of claim 1 wherein the effective amount is greater than 100 milligrams per day.

15. The method of claim 1 wherein the effective amount is approximately 3 grams per day.

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16. (once amended) The method of claim 1 wherein the effective amount exceeds the standard recommended daily amounts for coenzyme activity.

17. (once amended) The method of claim 1 wherein the effective amount exceeds amounts normally obtainable with routine diet and supplement practices.

18. (once amended) The method of claim 1 wherein the effective amount exceeds the RDA [recommended daily allowance] of niacin.

19. (once amended) The method of claim 1 wherein the effective amount is sufficient to raise the intracellular levels of nicotinamide adenine dinucleotide [NAD] in persons with HIV infection.

20. (once amended) The method of claim 1 wherein the effective amount is sufficient to replete nicotinamide nucleotide precursors [NAD].

21. (once amended) The method of claim 1 wherein the effective amount of niacin is administered to persons with HIV and other co-infections.
22. (once amended) The method of claim 1 wherein the effective amount of niacin is administered in combination with antiviral medications selected from the group consisting of reverse transcriptase inhibitors and protease inhibitors.
23. (once amended) The method of claim 1 wherein the effective amount is administered in combination with other treatments for HIV infection to improve the metabolic status of an infected patient.

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25. (new) The method of claim 1 wherein the effective amount of niacin is administered in combination with antiviral medications.
26. (new) The method of claim 1 wherein the administration occurs by the method selected from the group consisting of oral administration, parenteral administration, rectal administration, pharmaceutical adjuvant administration and pharmaceutical carrier administration.
27. (new) The method of claim 1 wherein the niacin is in the form selected from the group consisting of nicotinamide and nicotinic acid.
28. (new) The method of claim 1 wherein dietary intake of niacin is less than 100 milligrams.

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